

## CLAIMS

What is claimed is:

1. A dual-type organic electroluminescent display (EL) device comprising:  
a main organic EL display panel having a main substrate and a main organic EL portion formed on the main substrate;  
a sub organic EL display panel having a sub substrate and a sub organic EL portion formed on the sub substrate; and  
a sealing member sealing the main substrate and the sub substrate to each other, [to hermetically seal]wherein the main organic EL portion and the sub organic EL portion are hermetically sealed facing each other.
2. The dual-type organic EL device according to claim 1, further comprising a spacer member, provided on at least one of facing surfaces of the main and sub organic EL panels, maintaining a gap between the main and sub organic EL display panels and increasing the structural strength thereof.
3. The dual-type organic EL device according to claim 2, wherein the area of the main organic EL portion is greater than that of the sub organic EL portion.
4. The dual-type organic EL device according to claim 3, wherein the spacer member is provided on the sub substrate other than the sub organic EL portion.
5. The dual-type organic EL device according to claim 2, wherein the spacer member is provided on an insulation layer of the main or sub organic EL panel.
6. The dual-type organic EL device according to claim 2, wherein the spacer member is integrally formed with an insulation layer of the main or sub organic EL panel.
7. The dual-type organic EL device according to claim 2, wherein the spacer member is one or more projections provided on a substrate in an area where the main or sub organic EL portions are not formed.

8. The dual-type organic EL device according to claim 1, further comprising an absorbing unit preventing moisture from infiltrating into the main and sub organic EL portions, the absorbing [means]unit provided in a sealed area defined by the sealing member.

9. The dual-type organic EL device according to claim 8, wherein the absorbing unit comprises an absorbent in a recess formed in at least one portion of either the main substrate or the sub substrate in the sealed area defined by the sealing member.

10. The dual-type organic EL device according to claim 9, further comprising a porous tape preventing outflow of the absorbent, wherein the porous tape is adhered to the substrate having the recess.

11. The dual-type organic EL device according to claim 8, wherein the absorbing unit is in the shape of a sheet.

12. The dual-type organic EL device according to claim 1, further comprising passivation layers covering the main organic EL portion and the sub organic EL portion, wherein the passivation layers are provided on the main substrate and the sub substrate, respectively.

13. The dual-type organic EL device according to claim 12, further comprising an absorbent sheet provided between the passivation layers.

14. The dual-type organic EL device according to claim 12, wherein the passivation layers are closely adhered to each other, and sealed by the sealing member at edges of the passivation layers.

15. The dual-type organic EL device according to claim 12, wherein the passivation layers are integrally formed, and sealed by the sealing member at edges of the passivation layers.

16. The dual-type organic EL device according to claim 1, wherein at least one of the main substrate and the sub substrate is made of a transparent material for transmitting light formed by the main organic EL portion.

17. The dual-type organic EL device according to claim 16, wherein the transparent material is contrast increasing dark tint glass.

18. The dual-type organic EL device according to claim 1, further comprising a polarization plate adhered to an outer surface of at least one of the main substrate and the sub substrate.

19. A dual-type organic electroluminescent display (EL) device comprising:  
a main organic EL display panel comprising:  
a transparent main substrate,  
a first electrode formed on the transparent main substrate in a first predetermined pattern,  
a first insulation layer pattern defining a predetermined light emitting area,  
organic layers formed over the first electrode and the first insulation layer in a predetermined pattern, and  
a second electrode having a second predetermined pattern in a direction orthogonal to the first electrode;  
a sub organic EL display panel comprising:  
a transparent sub substrate,  
a third electrode formed on the transparent sub substrate in a third predetermined pattern,  
a second insulation layer pattern defining a predetermined light emitting area,  
organic layers formed over the third electrode and the second insulation layer in a predetermined pattern, and  
a fourth electrode having a fourth predetermined pattern in a direction orthogonal to the third electrode; and  
a sealing member sealing the main substrate and the sub substrate to each other, wherein the main organic EL portion and the sub organic EL portion are hermetically sealed facing each other.

20. The dual-type organic EL device according to claim 19, further comprising a spacer member, provided on at least one of facing surfaces of the main and sub organic EL panels, maintaining a gap between the main and sub organic EL display panels and increasing the structural strength thereof.

21. The dual-type organic EL device according to claim 20, wherein the area of the main organic EL portion is greater than that of the sub organic EL portion.

22. The dual-type organic EL device according to claim 21, wherein the spacer member is provided on the sub substrate other than the sub organic EL portion.

23. The dual-type organic EL device according to claim 20, wherein the spacer member is integrally formed with at least one of the first and second insulation layers.

24. The dual-type organic EL device according to claim 19, further comprising an absorbing unit preventing moisture from infiltrating into the main and sub organic EL portions, the absorbing unit provided in a sealed area defined by the sealing member.

25. The dual-type organic EL device according to claim 24, wherein the absorbing unit comprises an absorbent in a recess formed in at least one portion of either the main substrate or the sub substrate in the sealed area defined by the sealing member.

26. The dual-type organic EL device according to claim 25, further comprising a porous tape preventing outflow of the absorbent, wherein the porous tape is adhered to the substrate having the recess.

27. The dual-type organic EL device according to claim 24, wherein the absorbing unit is in the shape of a sheet.

28. The dual-type organic EL device according to claim 19, further comprising passivation layers covering the main organic EL portion and the sub organic EL portion, wherein the passivation layers are provided on the main substrate and the sub substrate, respectively.

29. A method of manufacturing a dual-type organic EL device, the method comprising:

preparing a main organic EL display panel, comprising:

forming a first electrode on a transparent main substrate in a first predetermined pattern,

forming a first insulation layer pattern defining a predetermined light emitting area,  
forming organic layers over the first electrode and the first insulation layer in a predetermined pattern, and  
forming a second electrode having a second predetermined pattern in a direction orthogonal to the first electrode;  
preparing a sub organic EL display panel; comprising:  
forming a third electrode on a transparent sub substrate in a third predetermined pattern,  
forming a second insulation layer pattern defining a predetermined light emitting area,  
forming organic layers over the third electrode and the second insulation layer in a predetermined pattern, and  
forming a fourth electrode having a fourth predetermined pattern in a direction orthogonal to the third electrode; and  
sealing the main substrate and the sub substrate to each other, wherein the main organic EL portion and the sub organic EL portion are hermetically sealed facing each other.

30. The method according to claim 29, further comprising aging the main organic EL display panel and the sub organic EL display panel.

31. The method according to claim 29, further comprising providing a spacer member on at least one of facing surfaces of the main and sub organic EL panels, the spacer member maintaining a gap between main and sub organic EL panels and increasing the structural strength of the main and sub organic EL display panels.

32. The method according to claim 29, wherein the spacer member is provided on the sub substrate other than the sub organic EL portion.

33. The method according to claim 29, further comprising providing an absorbing unit, the absorbing unit preventing moisture from infiltrating into the main and sub organic EL portions.

34. The method according to claim 33, wherein the absorbing unit is in the shape of a sheet.

35. The method according to claim 29, further comprising providing passivation layers, the passivation layers covering the main organic EL portion and the sub organic EL portion on the main substrate and the sub substrate, respectively.